

SOME NEW FOOD PLANTS FOR VARIOUS QUEENSLAND BUTTERFLIES

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Unless otherwise stated, eggs or larvae were found on the plants listed and were then reared to the adult stage on the same plant species. The records of the northern Queensland species shown from Mt Tamborine were obtained in breeding cages at the Tamborine Mountain Butterfly Farm.

A brief description is given of some of the plants which have distinctive features. Those plants marked by an asterisk are introduced species. All the localities mentioned are in Queensland.

Graphium macleayanum macleayanum (Leach)

Cryptocarya hypospodia F. Muell (Lauraceae). Mt Tamborine, Jan. 1975.

Typical "Laurel" looking plant with green stems and a strong odour to crushed leaves. This species was collected from the Kolan River, 50 km north of Gin Gin. *G. macleayanum* laid on it soon after it was planted in the author's garden.

Endiandra pubens Meissn. (Lauraceae). Mt Tamborine, Mar. 1975. Large rain forest tree, stiff leaves covered in reddish hairs; large red fruit, 40 mm diameter.

Graphium macleayanum wilsoni Couchman

Daphnandra repandula F. Muell (Monimiaceae). Danbulla State Forest, Atherton Tableland, Aug. 1976. Rain forest tree, strongly serrated yellowish leaves, new growth with flattened stems at junction.

Graphium sarpedon choredon (C. and R. Felder)

Cryptocarya hypospodia F. Muell (Lauraceae). Kolan River, 50 km north of Gin Gin, Dec. 1973.

* *Cinnamomum cinnamomum* Cockerell (Lauraceae). Mt Tamborine, Jan. 1977. From south-east Asia and commonly grown in gardens in northern Queensland.

Graphium eurypylus lycaon (C. and R. Felder)

* *Annona glabra* L. (Annonaceae). Russell River, near Babinda, northern Queensland, May 1974. Small tree, glossy grey-green leaves, very soft stems and large smooth fruit 120 mm diameter. From Florida, U.S.A., but now naturalised in swamps in coastal northern Queensland.

Uvaria goeziana F. Muell (Annonaceae). Mt Tamborine, Dec. 1977. Plant originally collected from Kuranda, northern Queensland.

* *Michelia champaca* L. (Magnoliaceae) (Yellow Magnolia). Mt Tamborine, Dec. 1977. From India and Malaysia. Three larvae were placed on this plant soon after hatching from the egg and they developed normally.

It is interesting to note that the author has observed *G. eurypylus* laying on *Magnolia grandiflora* but the larvae would make no attempt to feed on this plant.

***Graphium agamemnon ligatum* (Rothschild)**

Xylopia maccraei (F. Muell) L. S. Smith (Annonaceae). Kuranda, northern Queensland, Aug. 1975. Small rain forest tree, new leaves yellowish-green and covered with fine white hairs.

* *Annona glabra* L. (Annonaceae). Russell River near Babinda, May 1974.

Melodorum urhii F. Muell (Annonaceae). Kuranda, May 1974. Climbing shrub, woody stems, new growth covered in reddish brown hairs.

* *Michelia champaca* L. (Magnoliaceae) (Yellow Magnolia). Cairns, Aug. 1977. Larvae found on plants at a nursery in Cairns. Plants are now growing well in the author's garden at Mt Tamborine.

***Papilio anactus* W. S. Macleay**

* *Feronia limonia* Swingle (Rutaceae) (Wood Apple). Mt Tamborine, Dec. 1973. From Malaysia, purchased from a nursery in Cairns.

***Papilio aegeus aegeus* Donovan**

Clausena brevistyla Oliver (Rutaceae). Danbulla State Forest, Atherton Tableland, Aug. 1975.

Flindersia australis R. Br. (Meliaceae). Mt Tamborine, Jan. 1972. Mostly grows in the dry Hoop Pine scrubs.

Flindersia schottiana F. Muell (Meliaceae). Mt Tamborine, Jan. 1974. Large rain forest tree, very open growth, leaves with very fine hairs.

* *Murraya koenigii* Spreng. (Rutaceae) (Curry Tree). Mt Tamborine, Jan. 1977. From south east Asia. Commonly grown in gardens in northern Queensland.

***Papilio fuscus capaneus* Westwood**

* *Murraya koenigii* Spreng. (Rutaceae). Mt Tamborine, Jan. 1977.

***Papilio ambrax egiptus* Miskin**

Clausena brevistyla Oliver (Rutaceae). Danbulla State Forest, Atherton Tableland, Aug. 1976.

Zanthoxylum ovalifolium Wight (Rutaceae). Tolga, Atherton Tableland, Aug. 1975. Small tree, leaves mostly trifoliate, sometimes with four or five leaflets; a few thorns on limbs and also on underside of leaves; large white citrus-like flowers and small red fruit.

Zanthoxylum brachyacanthum F. Muell (= *Z. veneficum*) (Rutaceae). Danbulla State Forest, Atherton Tableland, Aug. 1976. Small rain forest tree, new growth reddish, thorns on leaves and all over trunk.

* *Murraya koenigii* Spreng. (Rutaceae). Mt Tamborine, Jan. 1977.

* *Feronia limonia* Swingle (Rutaceae) (Wood Apple). Cairns, May 1973. Larvae and eggs were found on a plant in a nursery at Cairns.

***Cressida cressida cressida* (Fabricius)**

Aristolochia thozetii F. Muell (Aristolochiaceae). Yorkey's Knob, near Cairns, May 1974. Very small vine which grows near the beach, narrow pointed leaves.

***Catopsilia pomona pomona* (Fabricius)**

Cassia magnifolia F. Muell (Caesalpiniaceae). Georgetown, 300 km east of

Normanton, Aug. 1975. Small shrub to 1.5 m high; large glossy compound leaves and large yellow flower spikes on top of bush; can produce new growth regardless of weather conditions.

***Eurema hecabe phoebus* (Butler)**

Acacia spectabilis A. Cunn. ex Benth. (Mimosaceae). Mt Tamborine, Mar. 1975. Medium sized wattle from inland southern Queensland; small grey/green compound leaves.

***Polyura pyrhus sempronius* (Fabricius)**

Abarema sapindoides (A. Cunn.) Kosterm (= *Pithecellobium pruinatum*) (Mimosaceae). Mt Tamborine, May 1975.

***Doleschallia bisaltide australia* C. & R. Felder**

* *Pseuderanthemum bicolor* Radlk. (Acanthaceae). Mt Tamborine, Jan. 1977. Shrub 1 m from south east Asia, leaves with dark purple underside.

* *Graptophilum pictum* Griff. (Acanthaceae). Mt Tamborine, Jan. 1977. Shrub 1 m from Papua New Guinea and Malaysia. Extremely variable from all purple leaves to pink and green; pink flowers in terminal clusters.

* *Strobilanthus isophyllus* T. Anders. (Acanthaceae). Mt Tamborine, Jan. 1977. Shrub 1.5 m from India, purple leaves and stems.

* *Asystasia gangetica* (L.) T. Anders. (Acanthaceae). Wallaville, Jan. 1972. Small soft-leaved shrub from tropical Asia commonly grown in gardens in northern Queensland; may have white, pink, blue or yellow flowers.

***Hypolimnas bolina nerina* (Fabricius)**

* *Asystasia gangetica* (L.) T. Anders. (Acanthaceae). Wallaville, Jan. 1972.

***Hypolimnas misippus* (Linnaeus)**

* *Asystasia gangetica* (L.) T. Anders. (Acanthaceae). Wallaville, Jan. 1974.

***Hypolimnas alimena lamina* Fruhstorfer**

* *Asystasia gangetica* (L.) T. Anders. (Acanthaceae). Cairns, May 1974.

* *Graptophilum pictum* Griff. (Acanthaceae). Mt Tamborine, Jan. 1978.

***Precis orithya albicincta* (Butler)**

* *Asystasia gangetica* (L.) T. Anders. (Acanthaceae). Wallaville, Dec. 1971.

***Precis hedonia zelima* (Fabricius)**

* *Hemigraphis colorata* Hallier F. (Acanthaceae) (Metal plant). Cairns, Aug. 1976. From Java, prostrate plant with purple leaves and a metal-like shine on top; commonly grown as a ground cover in Cairns gardens.

***Euploea core corinna* (W. S. Macleay)**

Carissa ovata R. Br. (Apocynaceae) (Current Bush). Wallaville, Dec. 1975. Small climbing shrub with black fruit, milky sap and covered in thorns; grows in dry scrubs as well as rain forest.

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